Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110424\
Data File : BN034859.D
Acq On : 05 Nov 2024 02:57
Operator : RC/JU
Sample : PB164594BS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Quant Time: Nov 05 03:50:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN103024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 00:03:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	7147	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	21161	0.400	ng	0.00
13) Acenaphthene-d10	14.222	164	10006	0.400	ng	0.00
19) Phenanthrene-d10	16.970	188	17488	0.400	ng	0.00
29) Chrysene-d12	21.160	240	6741	0.400	ng	# 0.00
35) Perylene-d12	23.341	264	4990	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.213	112	7634	0.353	ng	0.00
5) Phenol-d6	6.766	99	10311	0.367	ng	0.00
8) Nitrobenzene-d5	8.728	82	6356	0.382	ng	0.00
11) 2-Methylnaphthalene-d10	11.950	152	15054	0.491	ng	0.00
14) 2,4,6-Tribromophenol	15.716	330	857	0.173	ng	0.00
15) 2-Fluorobiphenyl	12.843	172	16430	0.417	ng	0.00
27) Fluoranthene-d10	19.001	212	13140	0.320	ng	0.00
31) Terphenyl-d14	19.614	244	7472	0.516	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.205	88	2924	0.373	ng	# 51
3) n-Nitrosodimethylamine	3.494	42	4609	0.522	ng	# 84
6) bis(2-Chloroethyl)ether	7.026	93	9254	0.451	ng	95
9) Naphthalene	10.404	128	23622	0.404	ng	99
10) Hexachlorobutadiene	10.703	225	3743	0.388	ng	# 98
12) 2-Methylnaphthalene	12.026	142	14691	0.384	ng	99
16) Acenaphthylene	13.933	152	19473	0.388	ng	99
17) Acenaphthene	14.286	154	13014	0.389	ng	95
18) Fluorene	15.270	166	15596	0.374	ng	99
20) 4,6-Dinitro-2-methylph...	15.355	198	632	0.369	ng	90
21) 4-Bromophenyl-phenylether	16.175	248	4086	0.404	ng	# 90
22) Hexachlorobenzene	16.275	284	5011	0.442	ng	94
23) Atrazine	16.448	200	2756	0.316	ng	95
24) Pentachlorophenol	16.622	266	1542	0.316	ng	98
25) Phenanthrene	17.007	178	22674	0.441	ng	100
26) Anthracene	17.094	178	19672	0.409	ng	100
28) Fluoranthene	19.034	202	19140	0.338	ng	98
30) Pyrene	19.396	202	18719	0.531	ng	100
32) Benzo(a)anthracene	21.142	228	10922	0.407	ng	99
33) Chrysene	21.196	228	12073	0.460	ng	99
34) Bis(2-ethylhexyl)phtha...	21.107	149	6202	0.276	ng	95
36) Indeno(1,2,3-cd)pyrene	25.507	276	10050	0.547	ng	94
37) Benzo(b)fluoranthene	22.689	252	9537	0.475	ng	# 92
38) Benzo(k)fluoranthene	22.736	252	9540	0.487	ng	# 92
39) Benzo(a)pyrene	23.244	252	7931	0.478	ng	# 88
40) Dibenzo(a,h)anthracene	25.525	278	7688	0.537	ng	98
41) Benzo(g,h,i)perylene	26.165	276	8287	0.536	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 05 Nov 2024 02:57
Operator : RC/JU
Sample : PB164594BS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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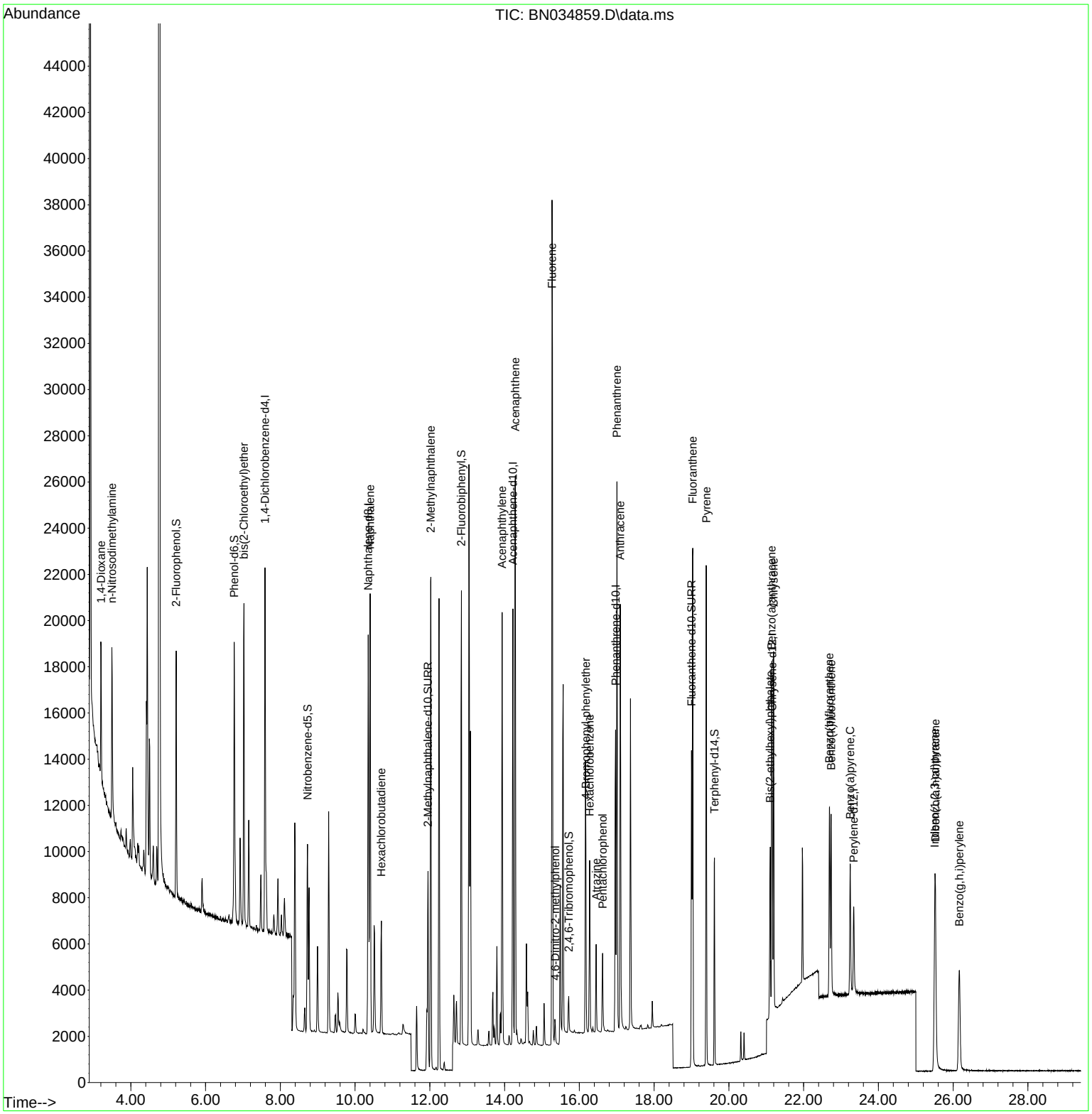
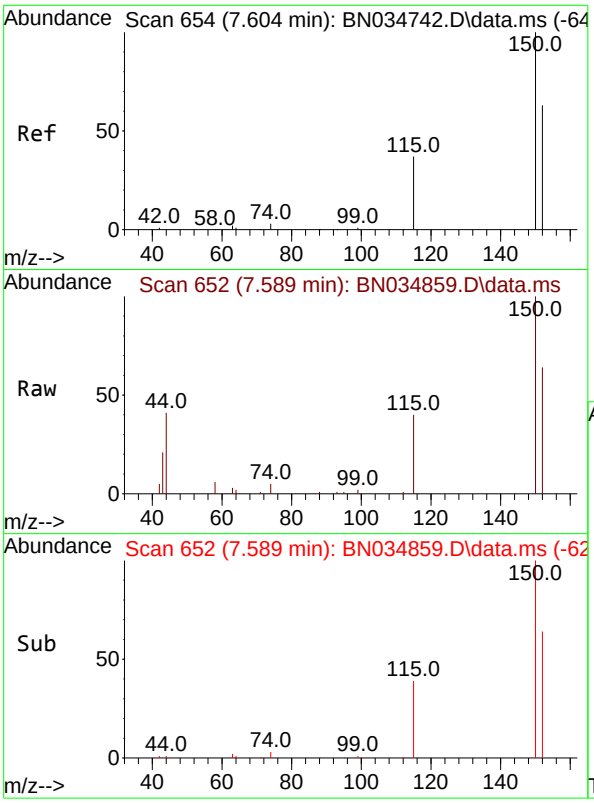
ClientSampleId :
PB164594BS

Quant Time: Nov 05 03:50:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN103024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 00:03:28 2024
Response via : Initial Calibration



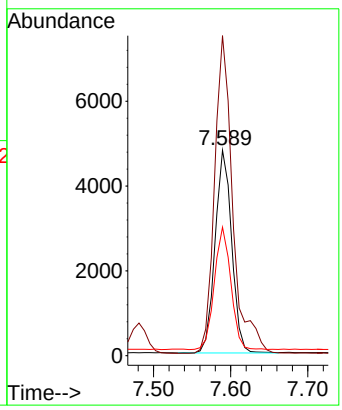


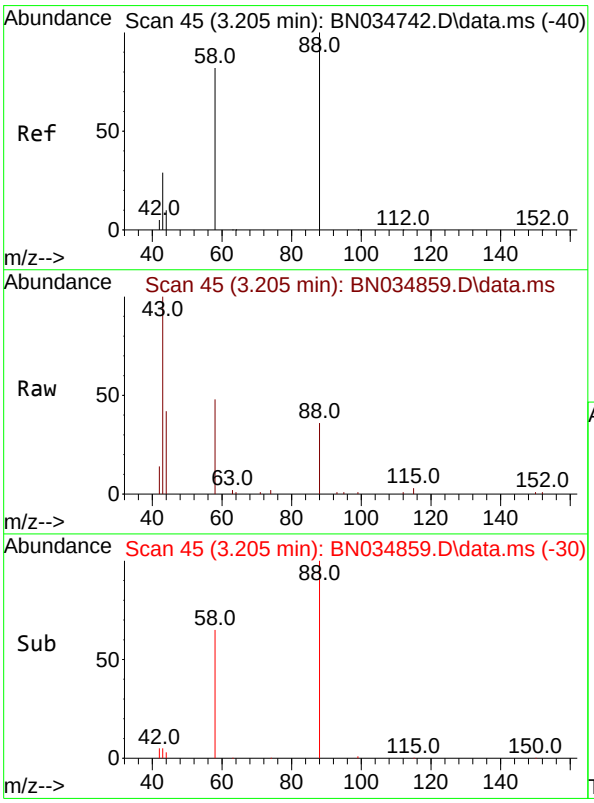
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:152 Resp: 7147

Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.9	187.3
115	62.6	50.2	75.2

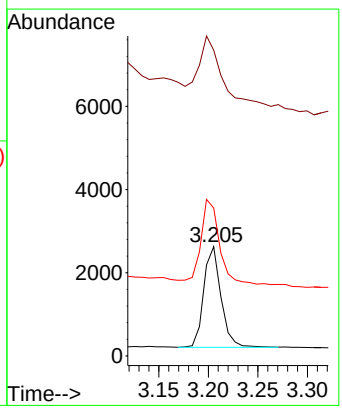


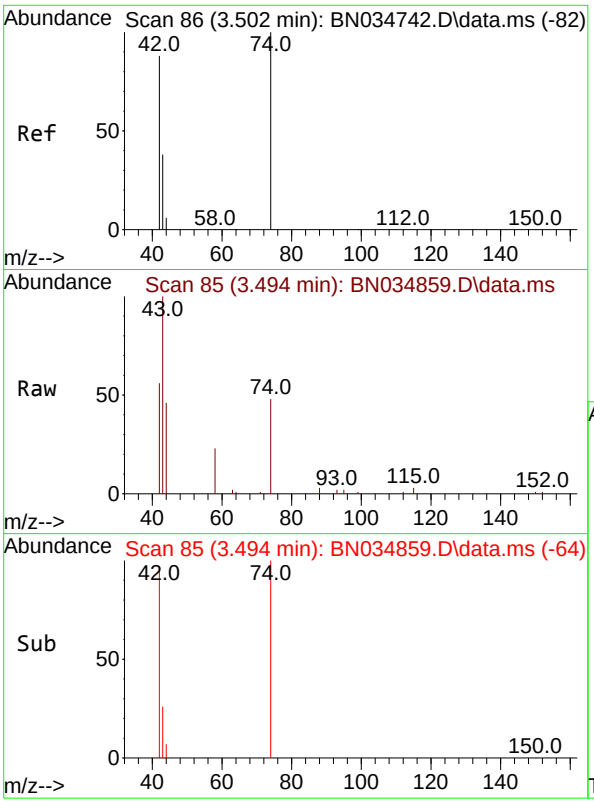


#2
1,4-Dioxane
Concen: 0.373 ng
RT: 3.205 min Scan# 45
Delta R.T. 0.007 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion: 88 Resp: 2924

Ion	Ratio	Lower	Upper
88	100		
43	95.0	26.7	40.1#
58	92.4	59.3	88.9#



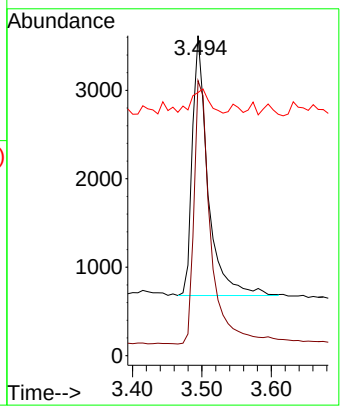


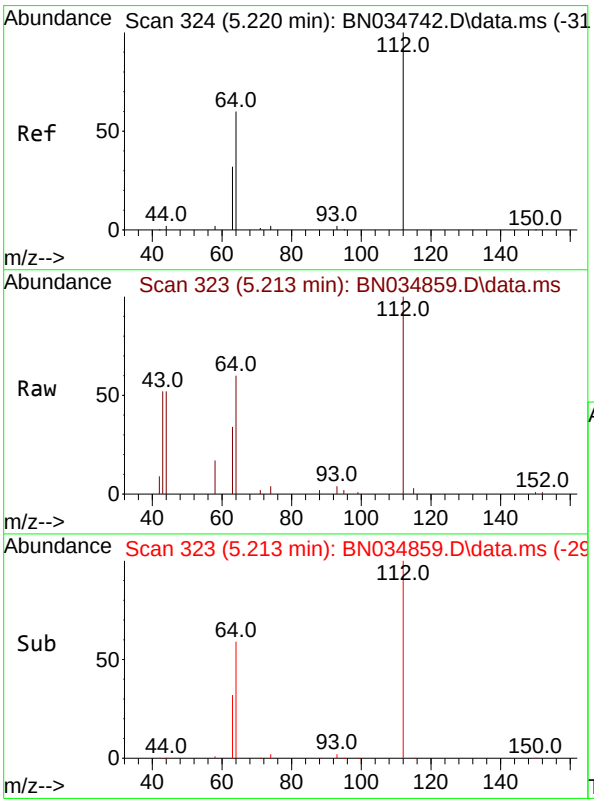
#3
n-Nitrosodimethylamine
Concen: 0.522 ng
RT: 3.494 min Scan# 8
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion: 42 Resp: 4609

Ion	Ratio	Lower	Upper
42	100		
74	109.6	103.1	154.7
44	11.6	6.7	10.1#

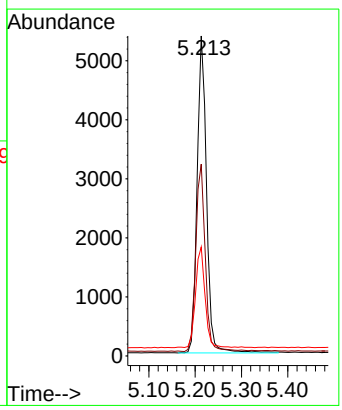


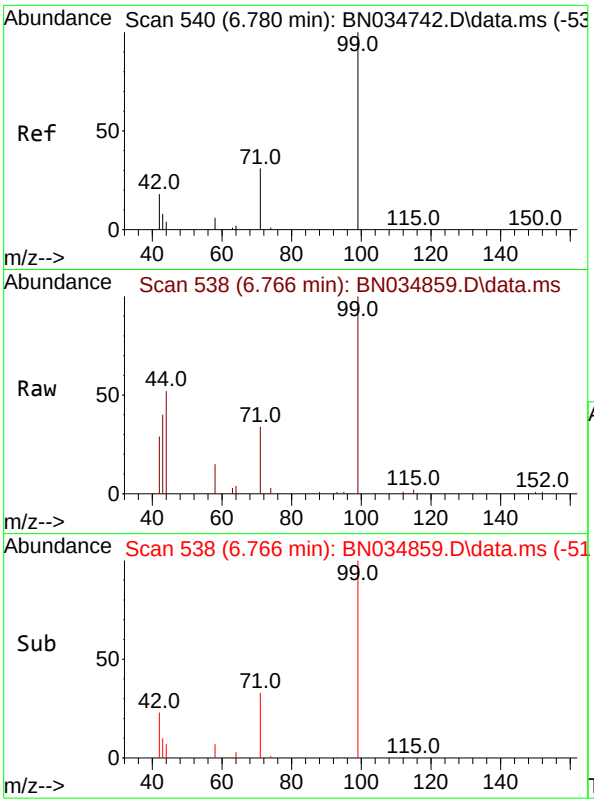


#4
2-Fluorophenol
Concen: 0.353 ng
RT: 5.213 min Scan# 323
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:112 Resp: 7634

Ion	Ratio	Lower	Upper
112	100		
64	59.5	44.9	67.3
63	32.0	23.5	35.3



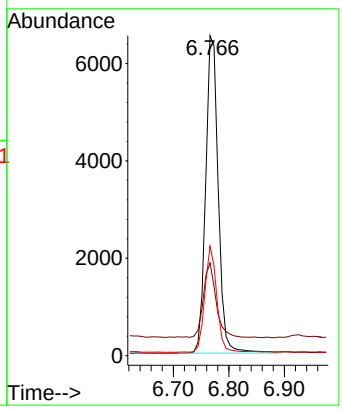


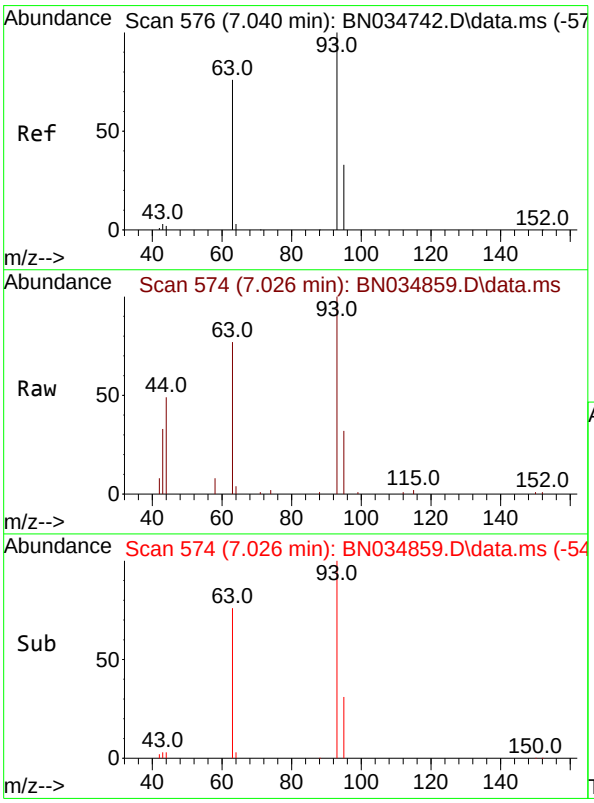
#5
Phenol-d6
Concen: 0.367 ng
RT: 6.766 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion: 99 Resp: 10311

Ion	Ratio	Lower	Upper
99	100		
42	23.8	15.9	23.9
71	31.7	24.3	36.5

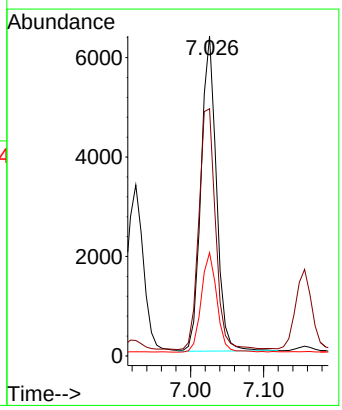


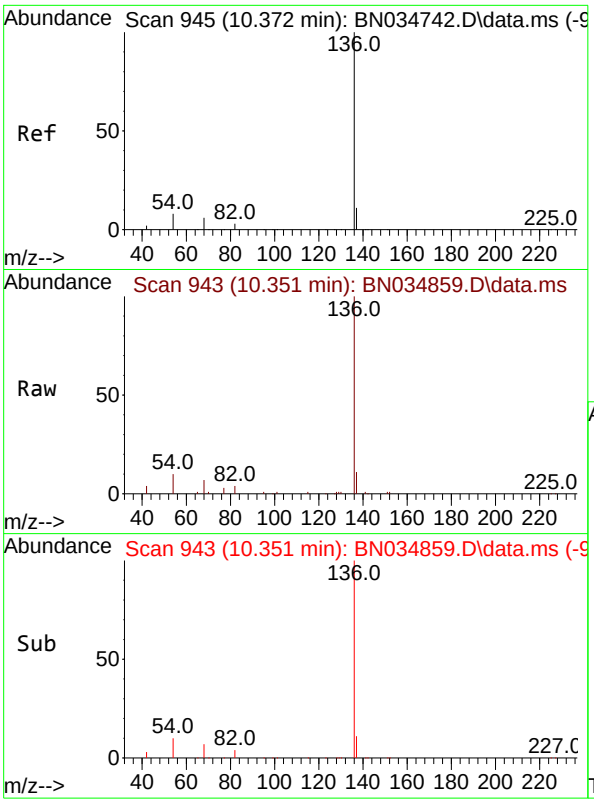


#6
bis(2-Chloroethyl)ether
Concen: 0.451 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion: 93 Resp: 9254

Ion	Ratio	Lower	Upper
93	100		
63	82.9	61.2	91.8
95	32.1	25.8	38.8



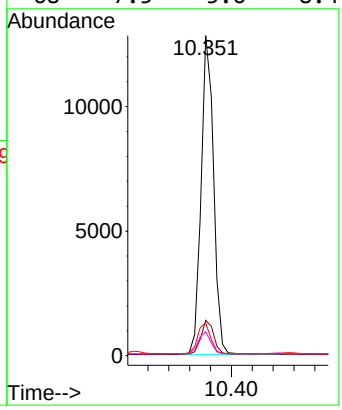


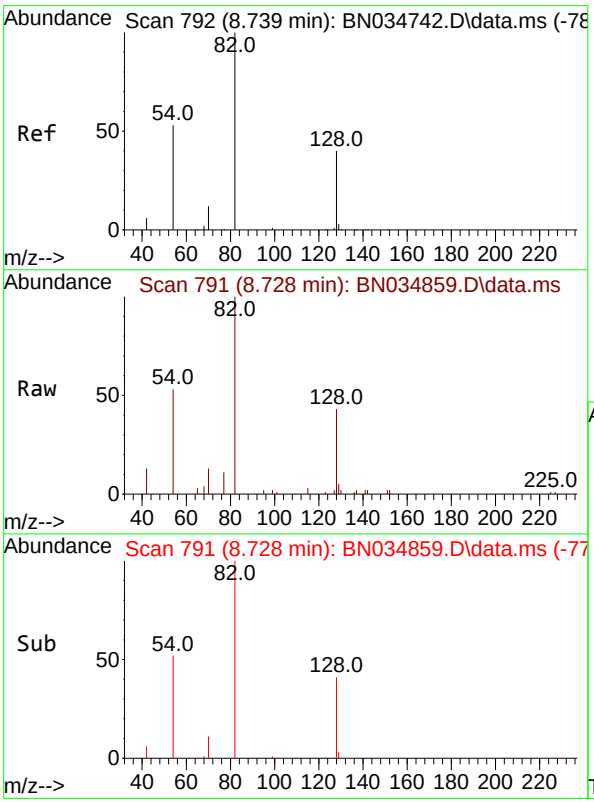
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:136 Resp: 21161

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	10.2	7.0	10.4
68	7.5	5.6	8.4

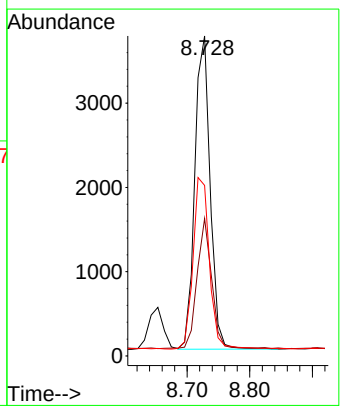


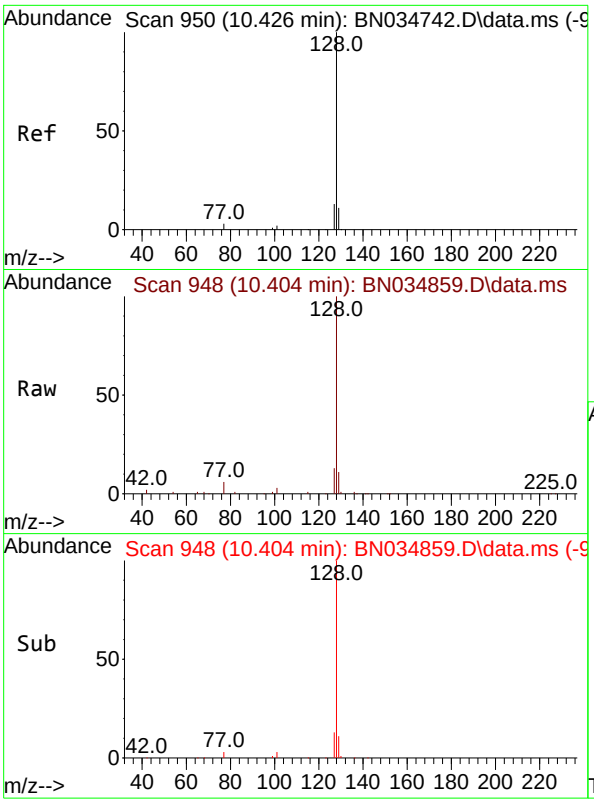


#8
Nitrobenzene-d5
Concen: 0.382 ng
RT: 8.728 min Scan# 791
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion: 82 Resp: 6356

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.7	50.5
54	53.3	44.4	66.6



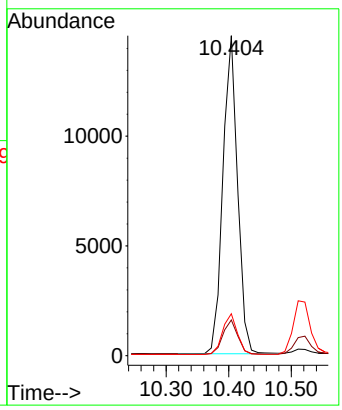


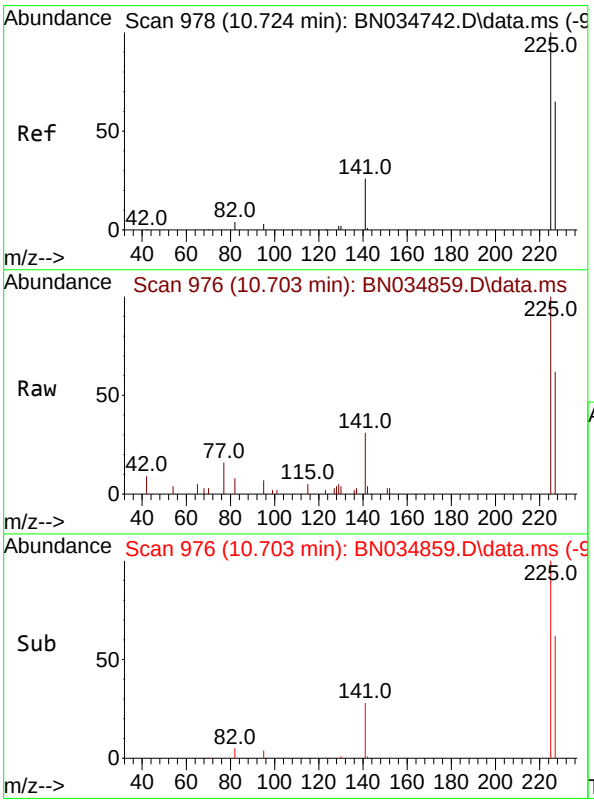
#9
Naphthalene
Concen: 0.404 ng
RT: 10.404 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:128 Resp: 23622

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.4	14.0
127	13.1	10.6	15.8

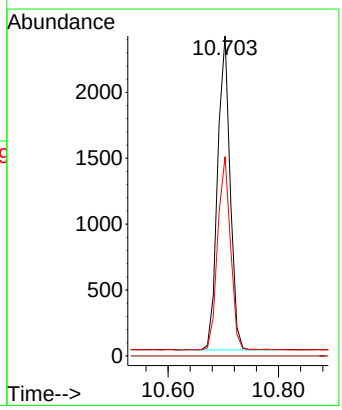


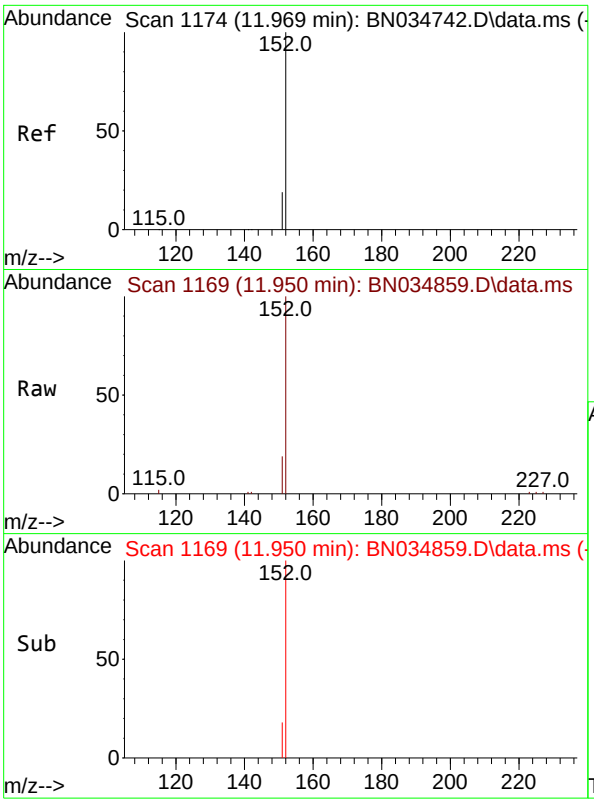


#10
Hexachlorobutadiene
Concen: 0.388 ng
RT: 10.703 min Scan# 976
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:225 Resp: 3743

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.1	51.4	77.2



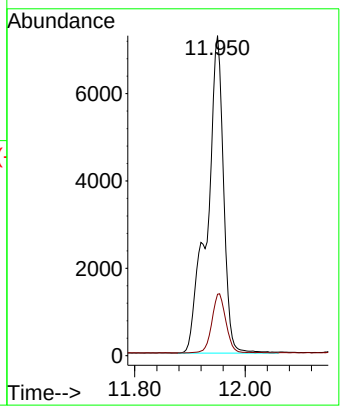


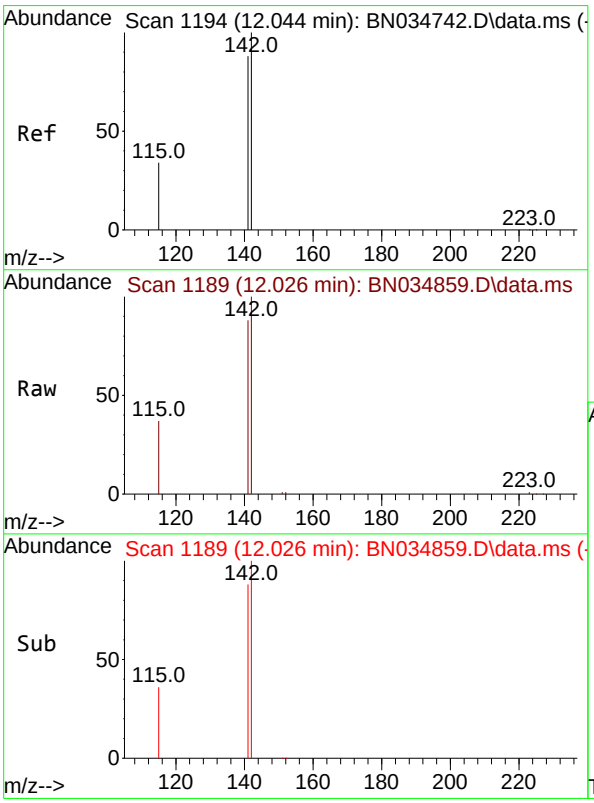
#11
2-Methylnaphthalene-d10
Concen: 0.491 ng
RT: 11.950 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:152 Resp: 15054

Ion	Ratio	Lower	Upper
152	100		
151	15.8	16.6	24.8#

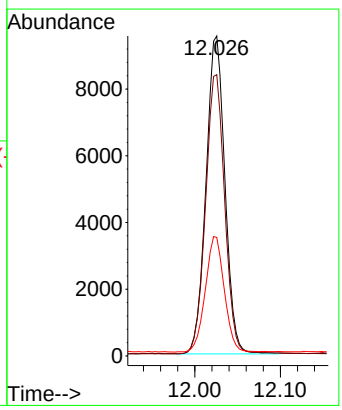


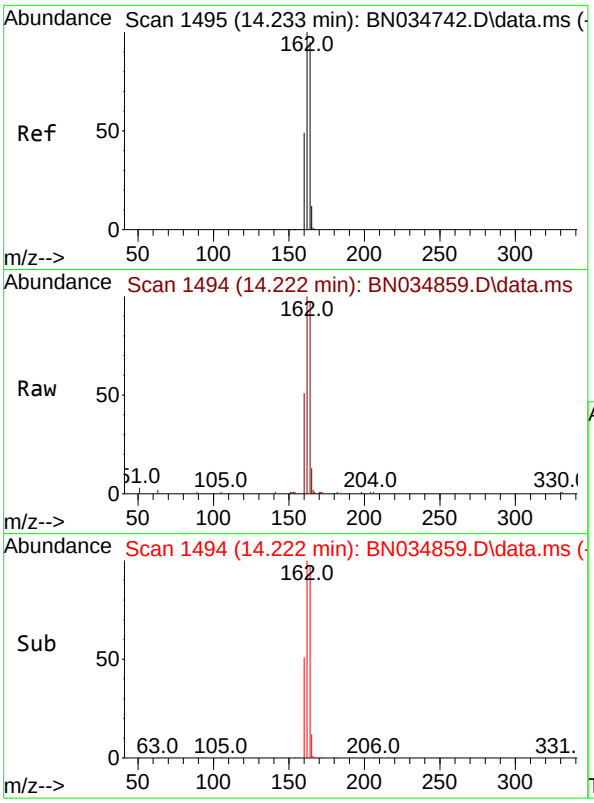


#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 12.026 min Scan# 1189
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:142 Resp: 14691

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.6	106.0
115	37.1	28.6	42.8



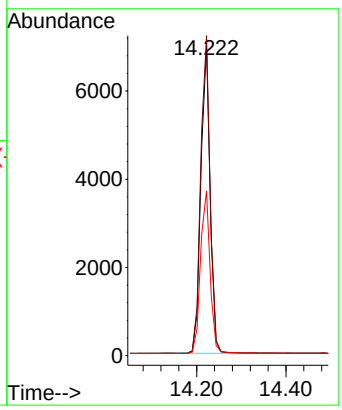


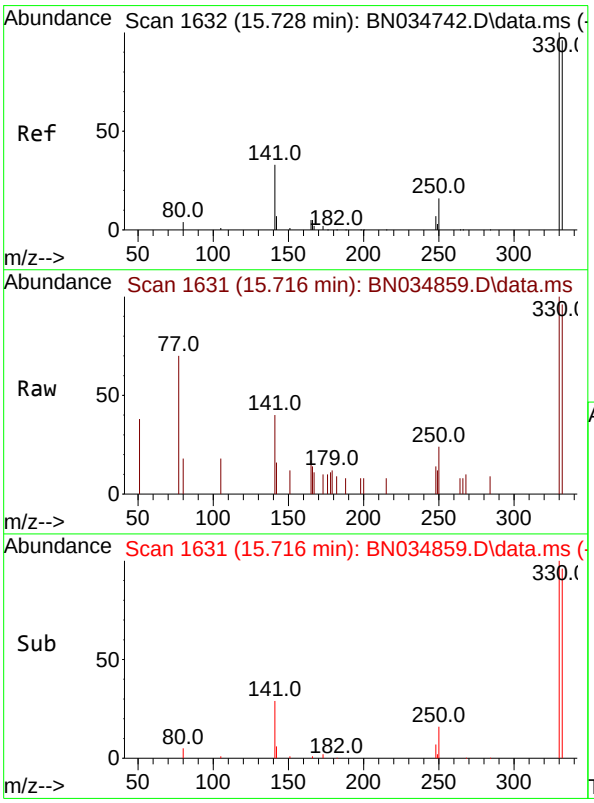
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.222 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:164 Resp: 10006

Ion	Ratio	Lower	Upper
164	100		
162	103.3	84.3	126.5
160	53.2	41.7	62.5

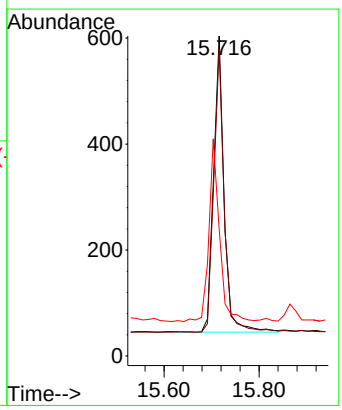


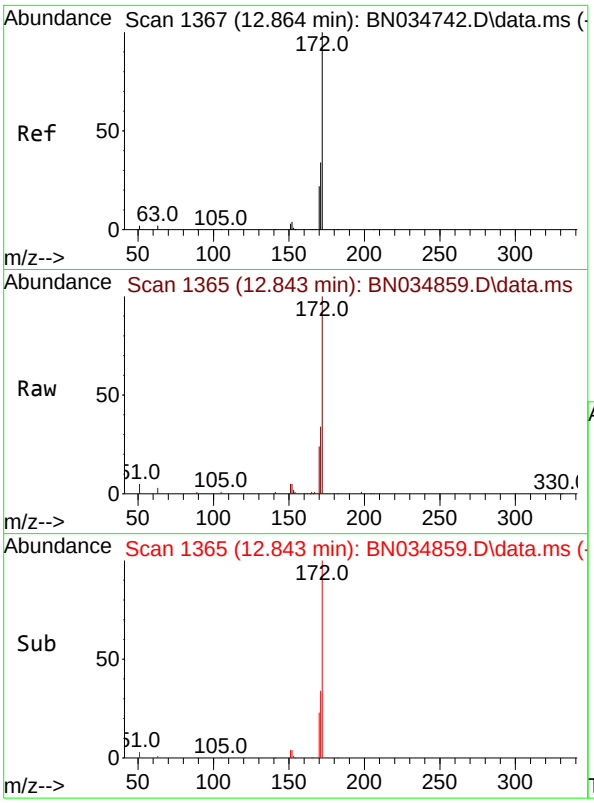


#14
2,4,6-Tribromophenol
Concen: 0.173 ng
RT: 15.716 min Scan# 1631
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:330 Resp: 857

Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.8	116.6
141	62.4	41.0	61.4#



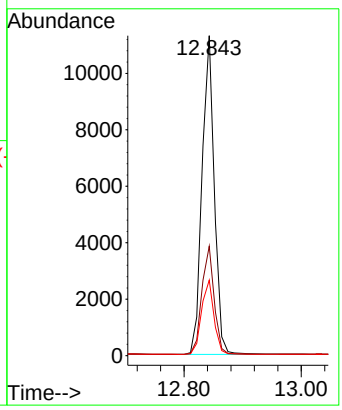


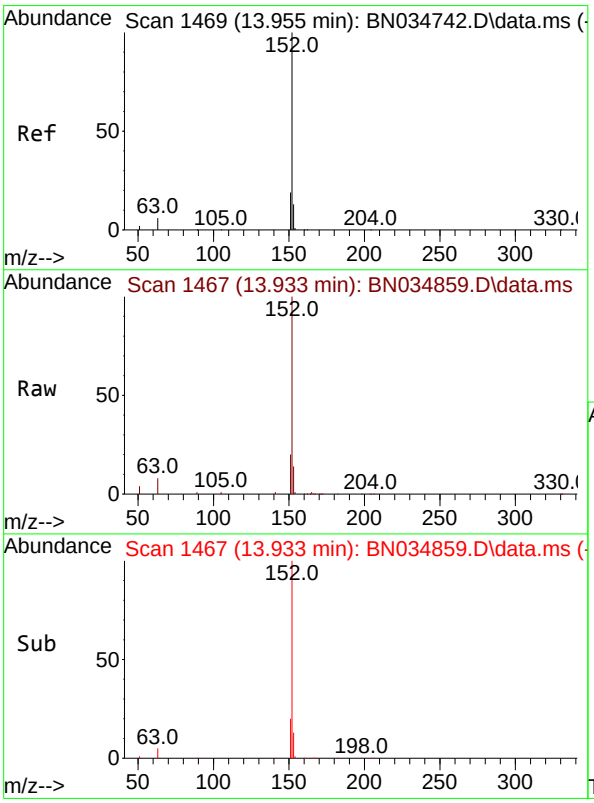
#15
2-Fluorobiphenyl
Concen: 0.417 ng
RT: 12.843 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:172 Resp: 16430

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.2	40.8
170	23.6	18.0	27.0

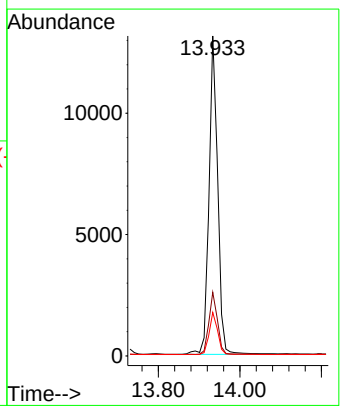


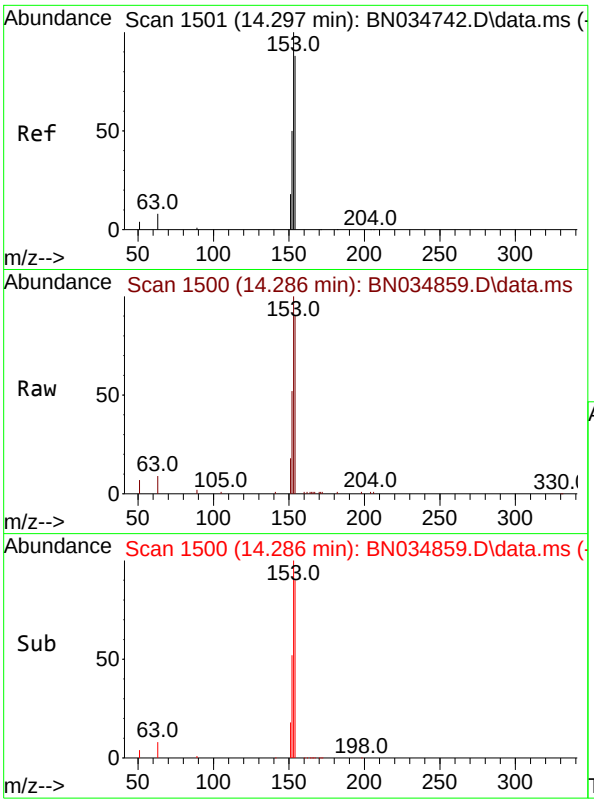


#16
Acenaphthylene
Concen: 0.388 ng
RT: 13.933 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:152 Resp: 19473

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.2
153	13.1	10.2	15.4





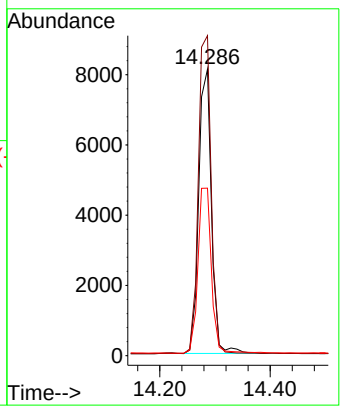
#17
Acenaphthene
Concen: 0.389 ng
RT: 14.286 min Scan# 1

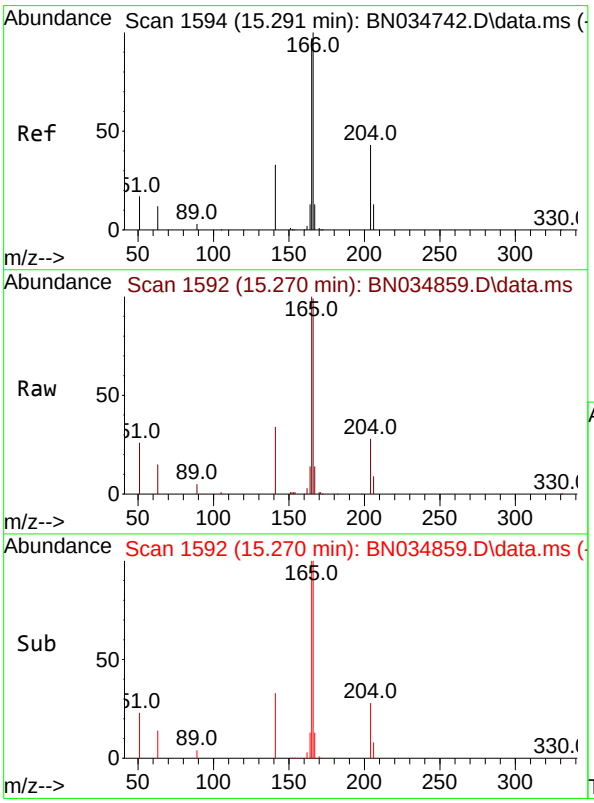
Instrument :
BNA_N
ClientSampleId :
PB164594BS

Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:154 Resp: 13014

Ion	Ratio	Lower	Upper
154	100		
153	112.9	87.8	131.6
152	61.2	44.6	67.0

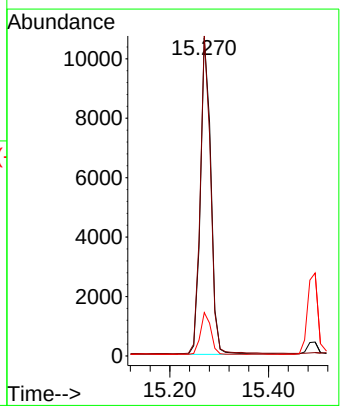


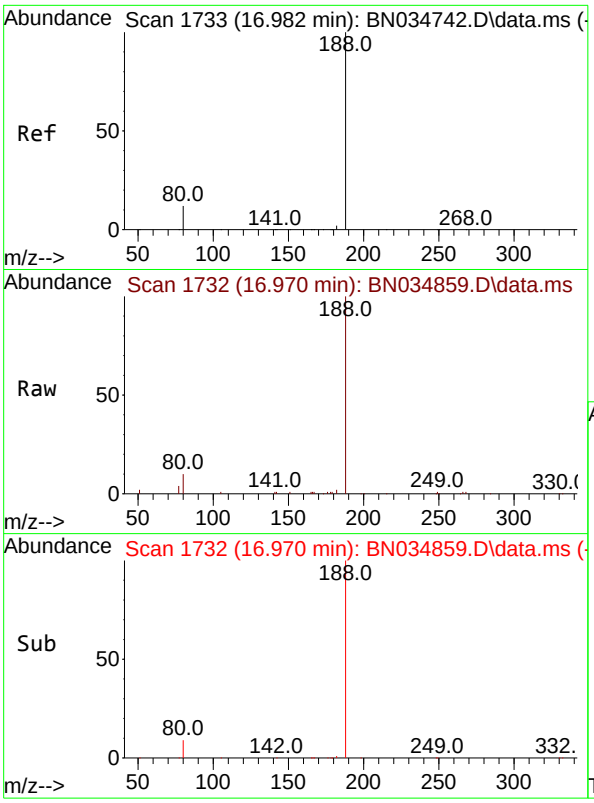


#18
Fluorene
Concen: 0.374 ng
RT: 15.270 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:166 Resp: 15596

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.5	117.7
167	13.3	10.8	16.2



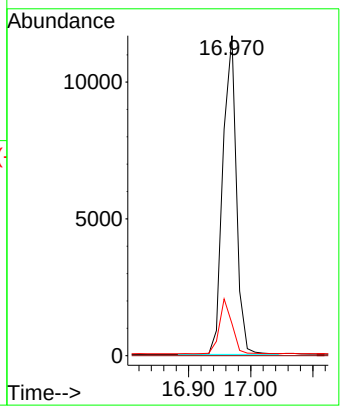


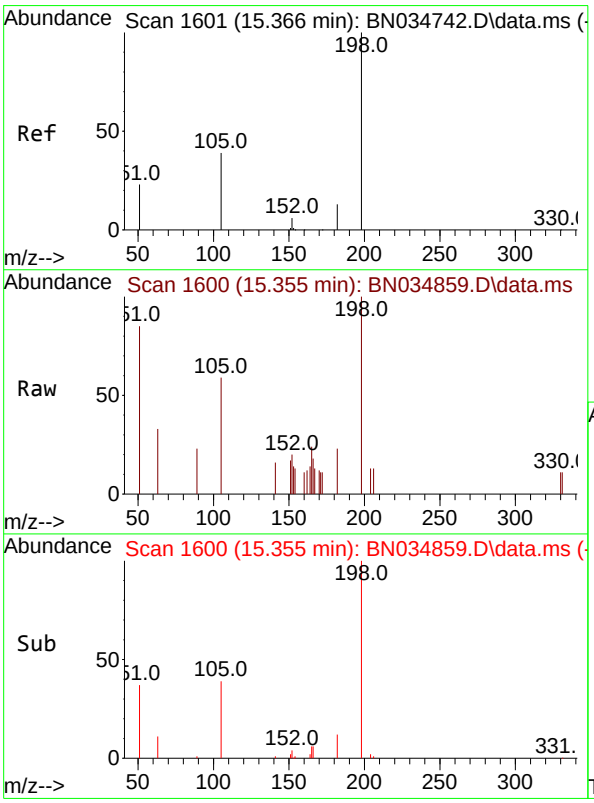
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.970 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:188 Resp: 17488

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	9.8	14.6

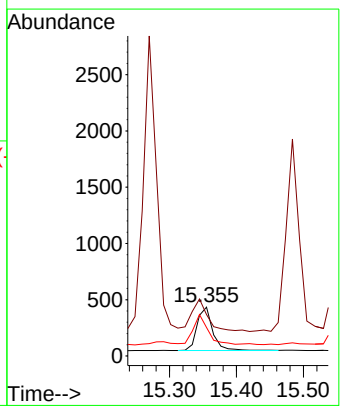


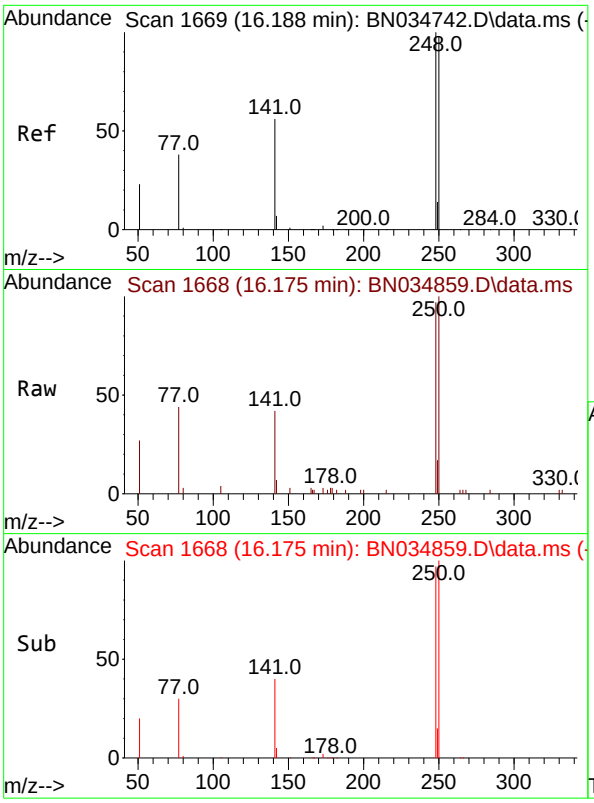


#20
4,6-Dinitro-2-methylphenol
Concen: 0.369 ng
RT: 15.355 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:198 Resp: 632

Ion	Ratio	Lower	Upper
198	100		
51	84.8	58.0	87.0
105	58.5	49.1	73.7



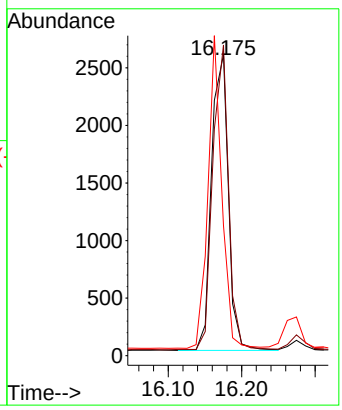


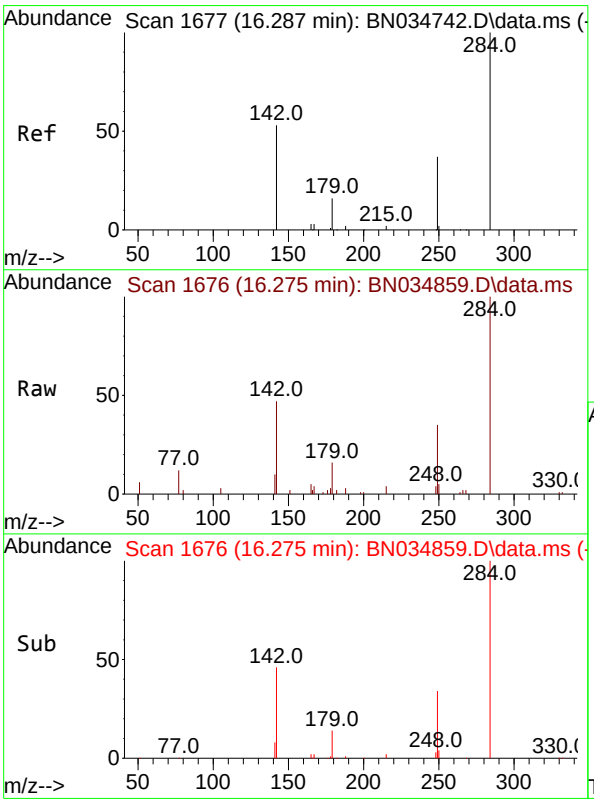
#21
4-Bromophenyl-phenylether
Concen: 0.404 ng
RT: 16.175 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:248 Resp: 4086

Ion	Ratio	Lower	Upper
248	100		
250	103.3	78.7	118.1
141	43.3	46.4	69.6#

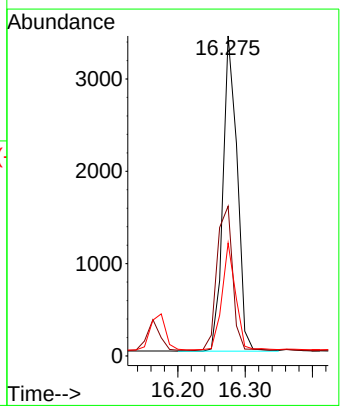


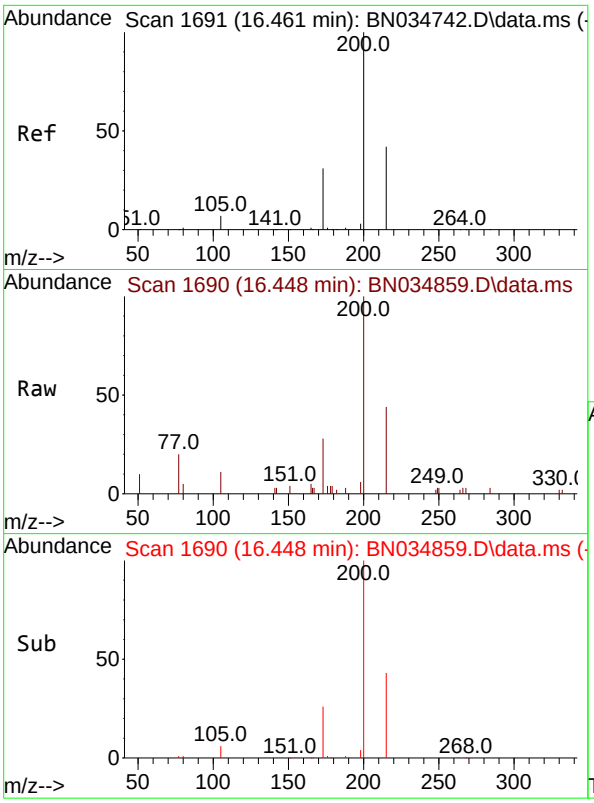


#22
Hexachlorobenzene
Concen: 0.442 ng
RT: 16.275 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:284 Resp: 5011

Ion	Ratio	Lower	Upper
284	100		
142	50.2	35.4	53.0
249	32.4	25.7	38.5



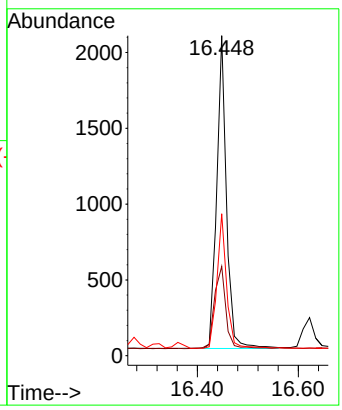


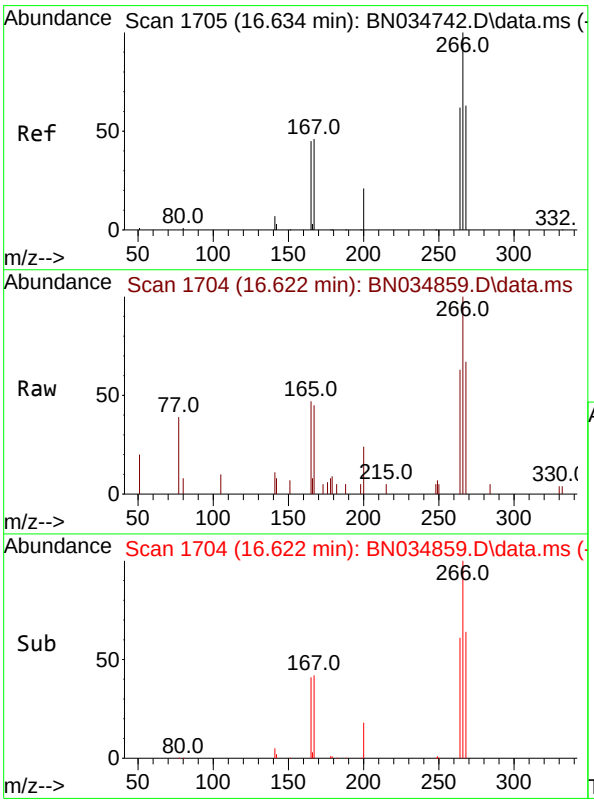
#23
Atrazine
Concen: 0.316 ng
RT: 16.448 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:200 Resp: 2756

Ion	Ratio	Lower	Upper
200	100		
173	27.9	25.8	38.6
215	44.3	34.2	51.4

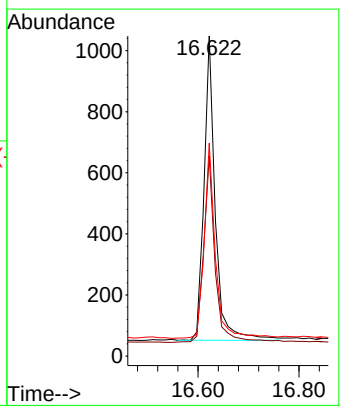


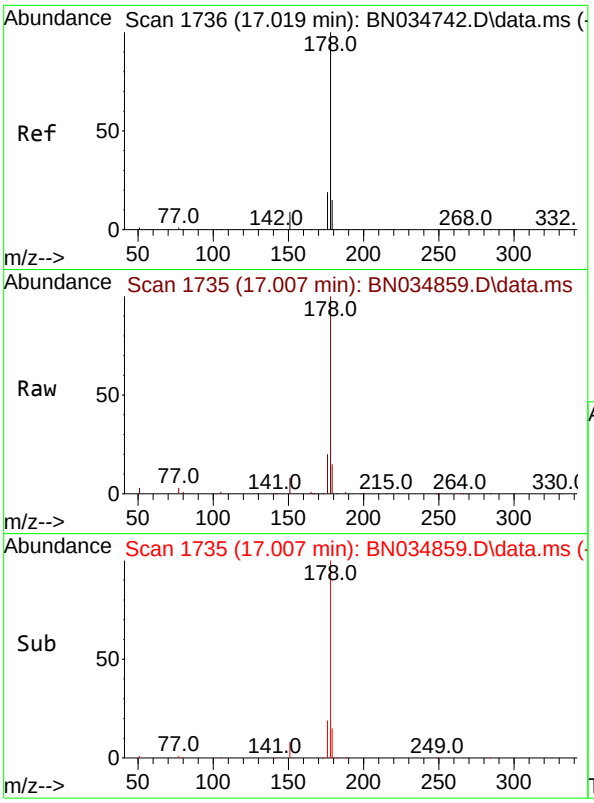


#24
Pentachlorophenol
Concen: 0.316 ng
RT: 16.622 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:266 Resp: 1542

Ion	Ratio	Lower	Upper
266	100		
264	62.4	48.7	73.1
268	64.1	50.2	75.4



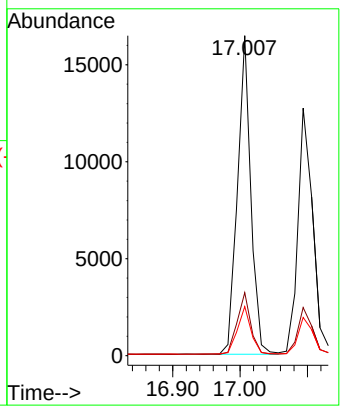


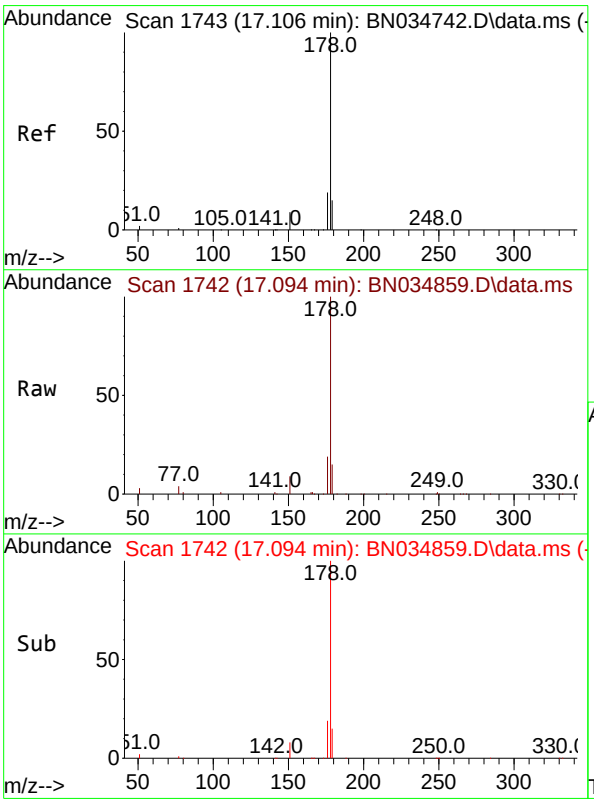
#25
Phenanthrene
Concen: 0.441 ng
RT: 17.007 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:178 Resp: 22674

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.2	12.2	18.4

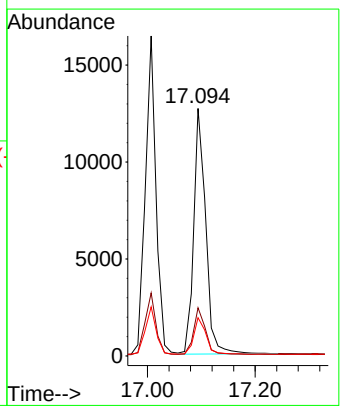


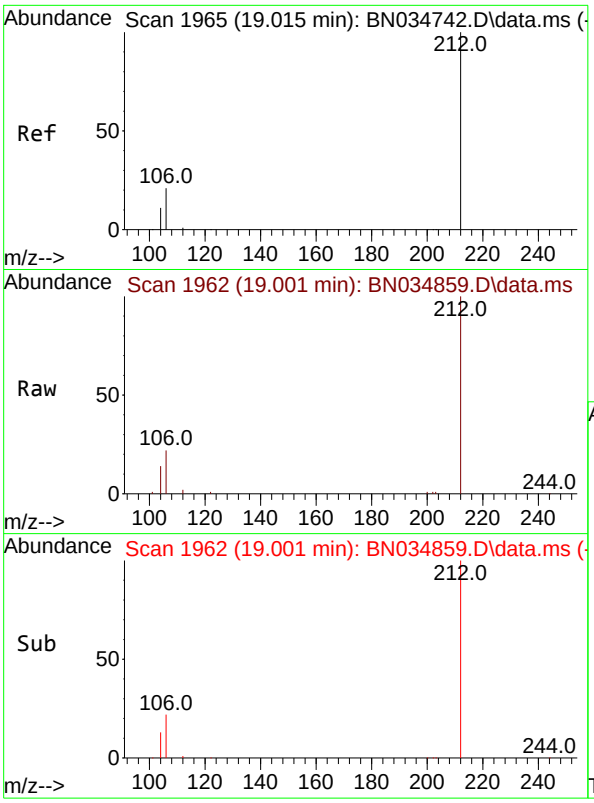


#26
Anthracene
Concen: 0.409 ng
RT: 17.094 min Scan# 1742
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:178 Resp: 19672

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.1	12.2	18.2



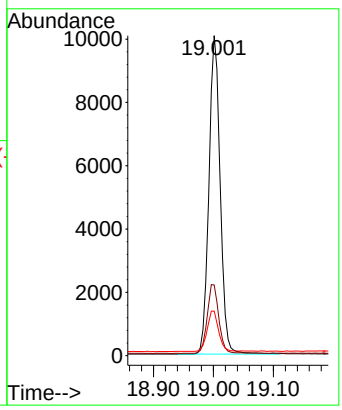


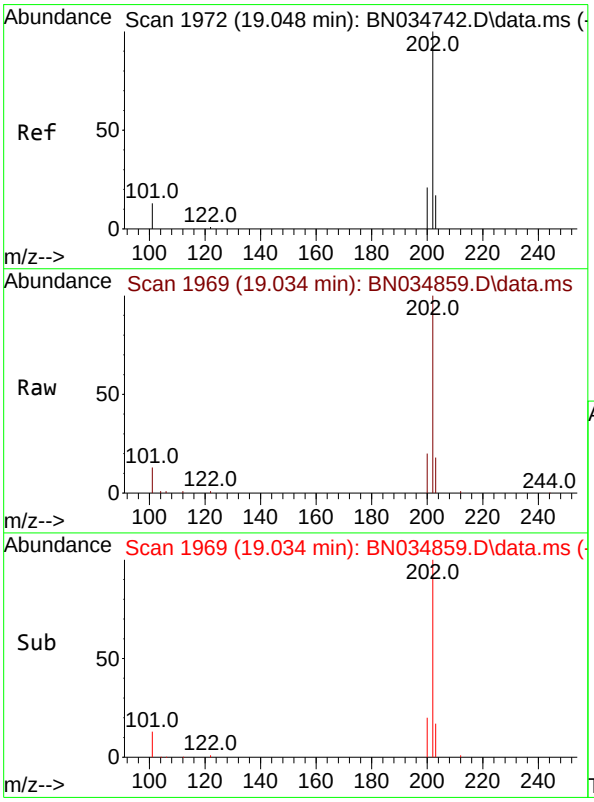
#27
Fluoranthene-d10
Concen: 0.320 ng
RT: 19.001 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:212 Resp: 13140

Ion	Ratio	Lower	Upper
212	100		
106	22.1	16.1	24.1
104	12.8	9.2	13.8

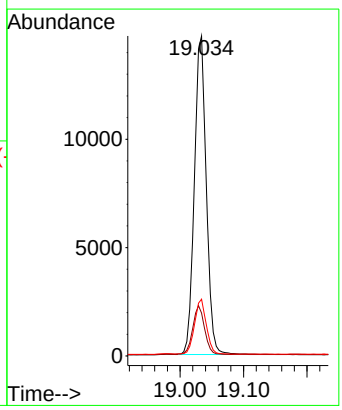


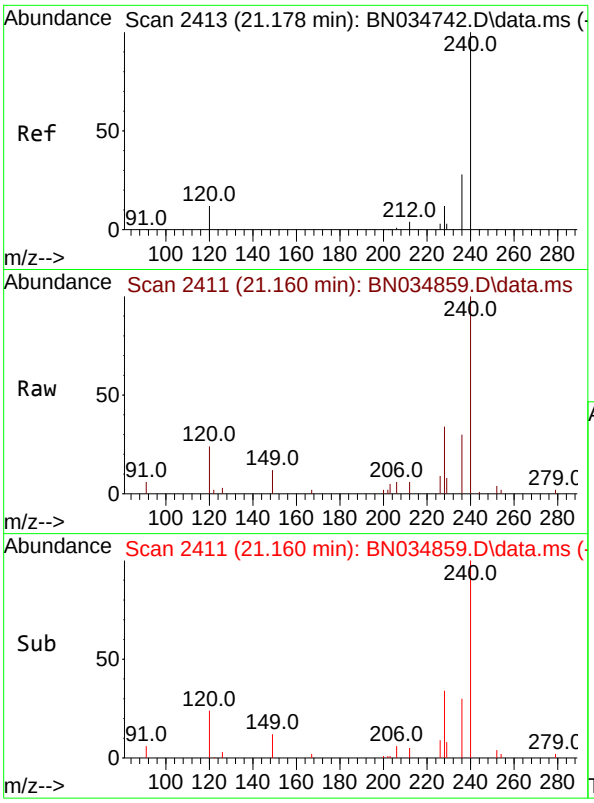


#28
Fluoranthene
Concen: 0.338 ng
RT: 19.034 min Scan# 1969
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:202 Resp: 19140

Ion	Ratio	Lower	Upper
202	100		
101	15.4	11.4	17.0
203	16.9	13.7	20.5



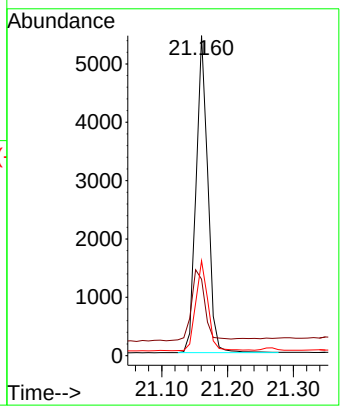


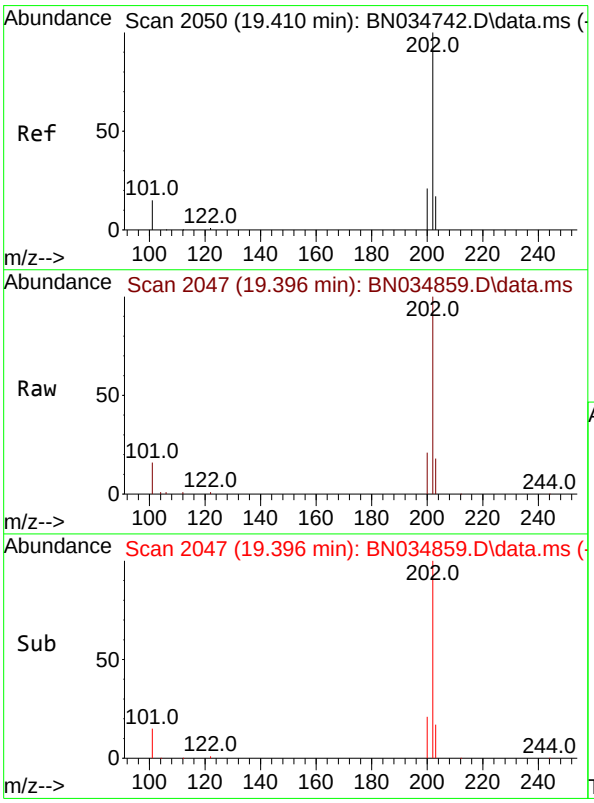
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.160 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:240 Resp: 6741

Ion	Ratio	Lower	Upper
240	100		
120	23.9	11.5	17.3#
236	29.6	23.2	34.8

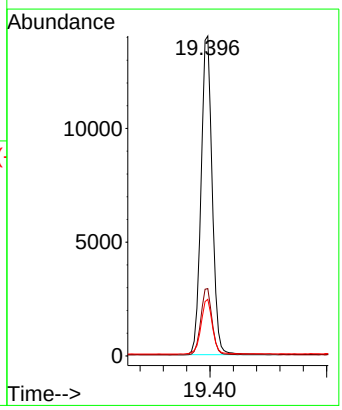


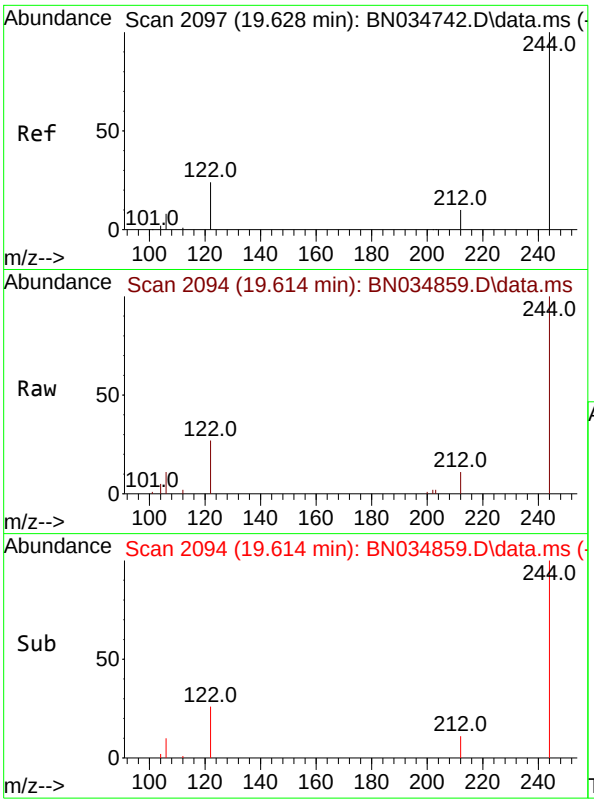


#30
Pyrene
Concen: 0.531 ng
RT: 19.396 min Scan# 2047
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:202 Resp: 18719

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.6	14.2	21.2



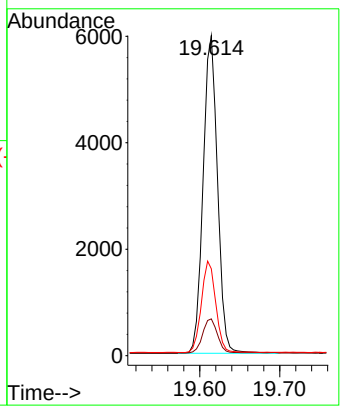


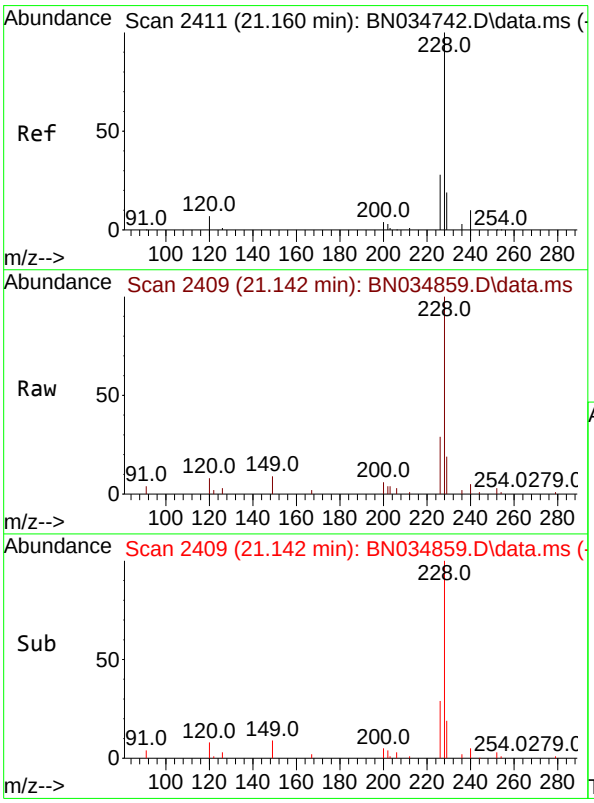
#31
Terphenyl-d14
Concen: 0.516 ng
RT: 19.614 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:244 Resp: 7472

Ion	Ratio	Lower	Upper
244	100		
212	11.5	8.2	12.4
122	27.1	19.8	29.6

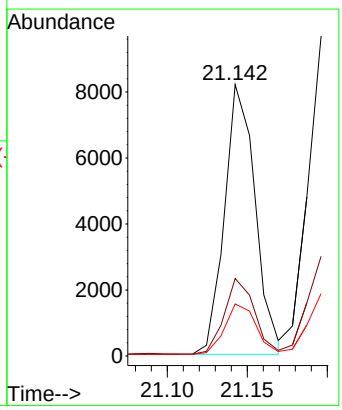


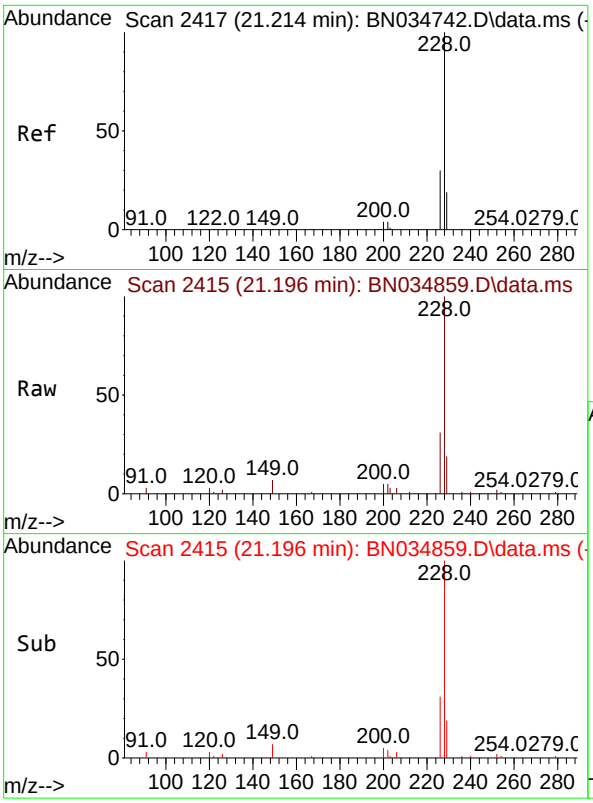


#32
Benzo(a)anthracene
Concen: 0.407 ng
RT: 21.142 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:228 Resp: 10922

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	19.1	15.7	23.5



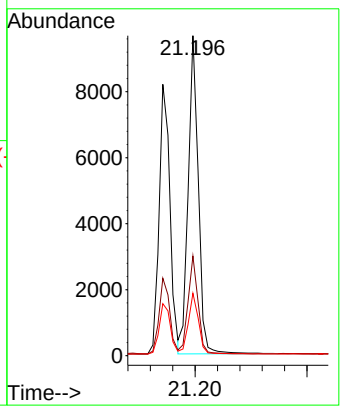


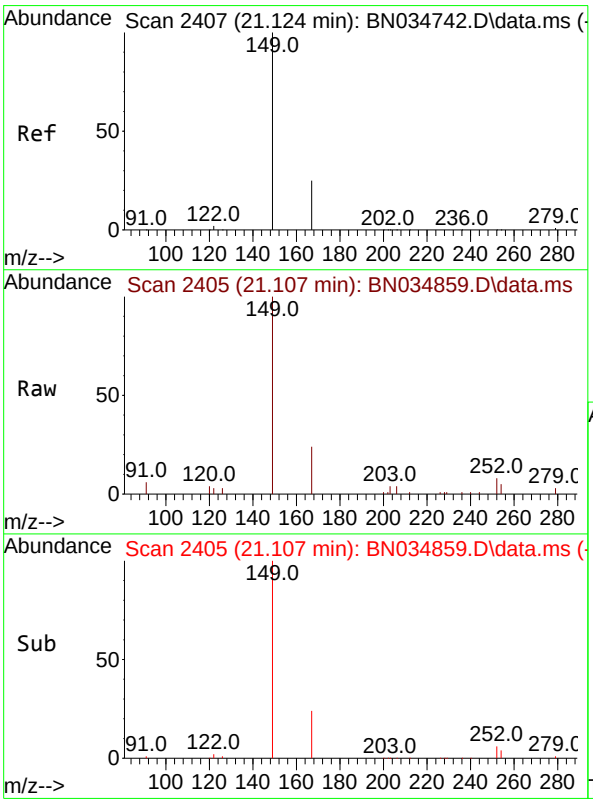
#33
Chrysene
Concen: 0.460 ng
RT: 21.196 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:228 Resp: 12073

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	19.5	15.6	23.4

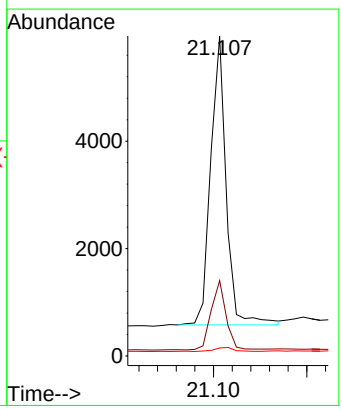


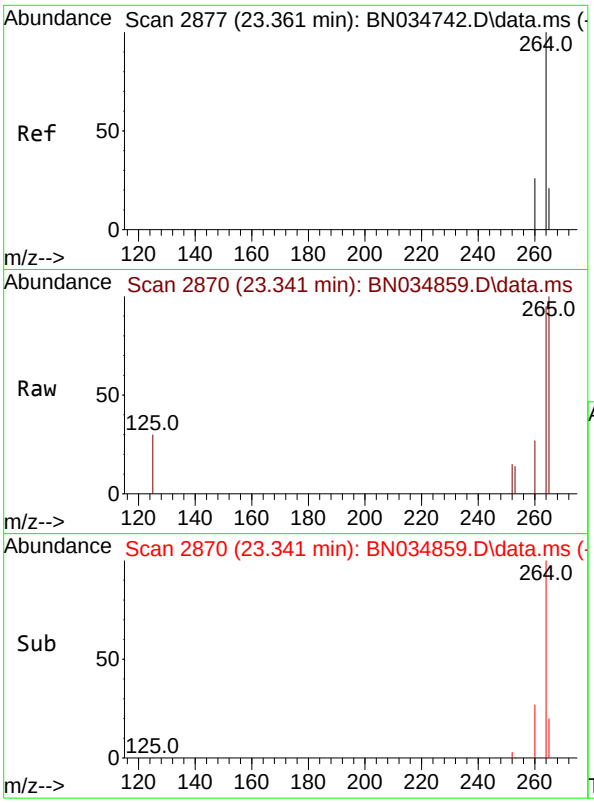


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.276 ng
RT: 21.107 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:149 Resp: 6202

Ion	Ratio	Lower	Upper
149	100		
167	22.9	20.6	30.8
279	1.8	1.5	2.3



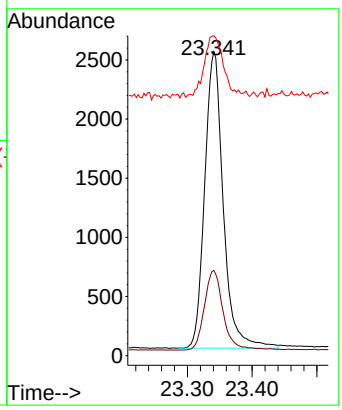


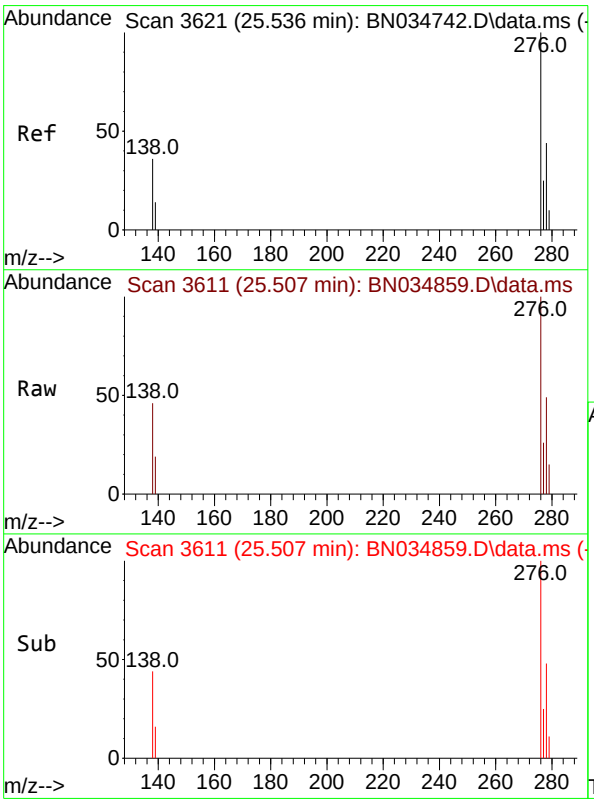
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.341 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:264 Resp: 4990

Ion	Ratio	Lower	Upper
264	100		
260	28.1	21.5	32.3
265	105.3	47.5	71.3#

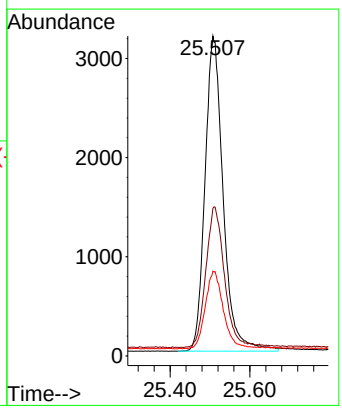


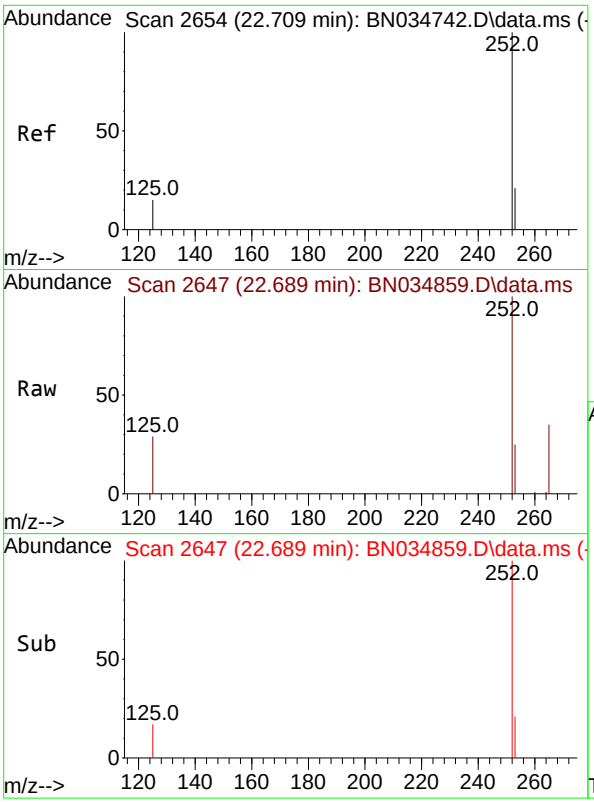


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.547 ng
RT: 25.507 min Scan# 3611
Delta R.T. 0.003 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:276 Resp: 10050

Ion	Ratio	Lower	Upper
276	100		
138	45.1	31.5	47.3
277	24.6	19.7	29.5



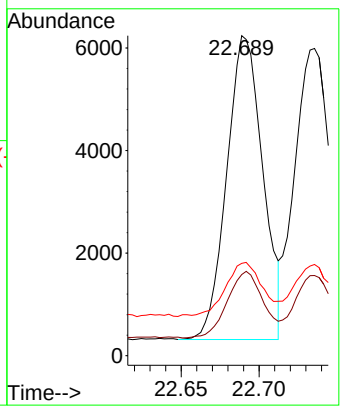


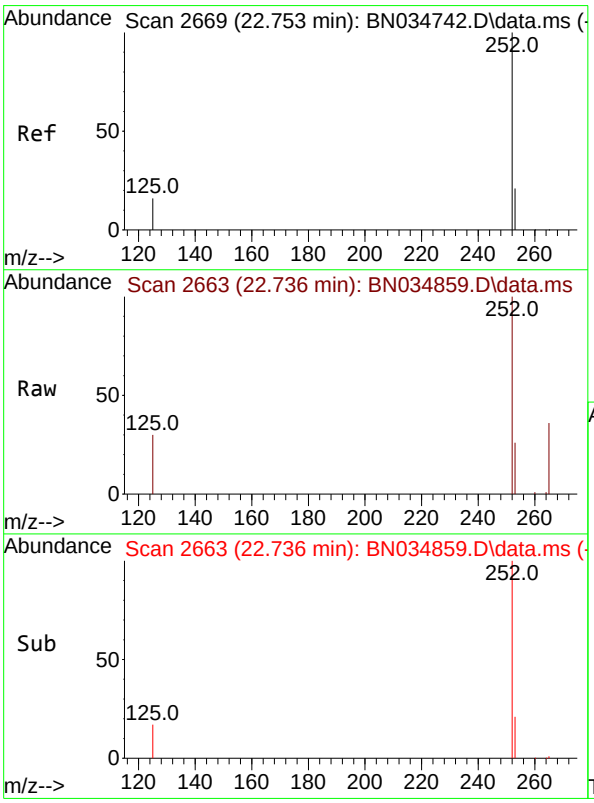
#37
Benzo(b)fluoranthene
Concen: 0.475 ng
RT: 22.689 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:252 Resp: 9537

Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.7	29.5
125	28.8	17.1	25.7#

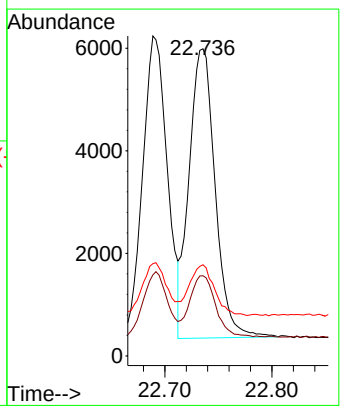


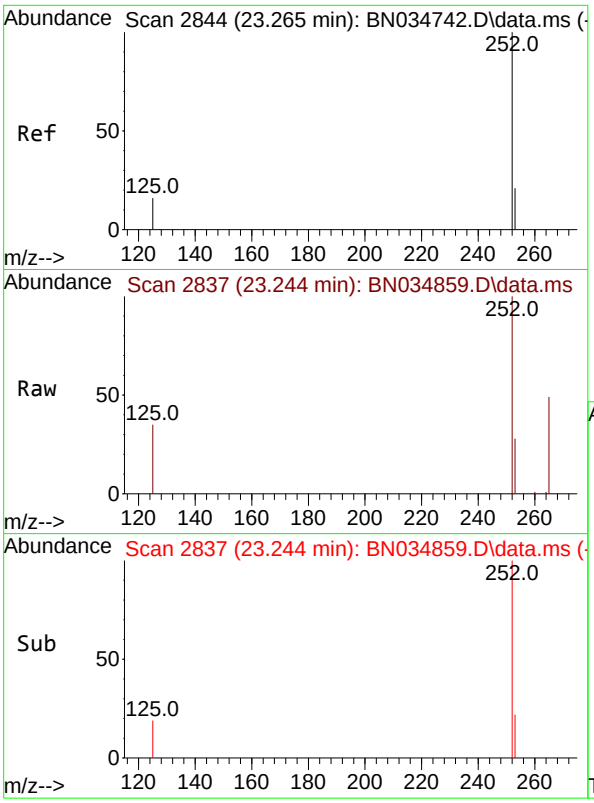


#38
Benzo(k)fluoranthene
Concen: 0.487 ng
RT: 22.736 min Scan# 2663
Delta R.T. 0.006 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:252 Resp: 9540

Ion	Ratio	Lower	Upper
252	100		
253	26.1	19.8	29.6
125	29.7	18.2	27.2#



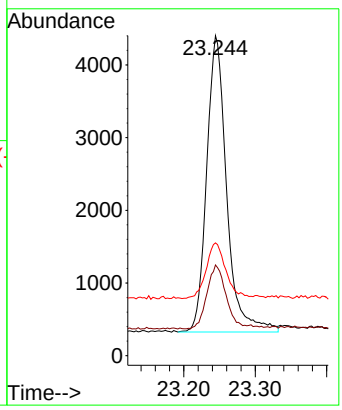


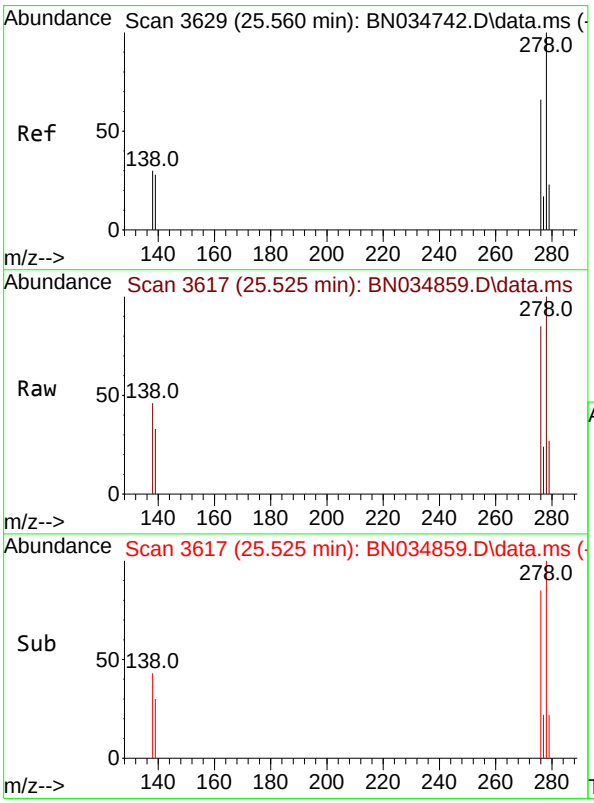
#39
Benzo(a)pyrene
Concen: 0.478 ng
RT: 23.244 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:252 Resp: 7931

Ion	Ratio	Lower	Upper
252	100		
253	28.4	20.7	31.1
125	35.3	20.3	30.5#

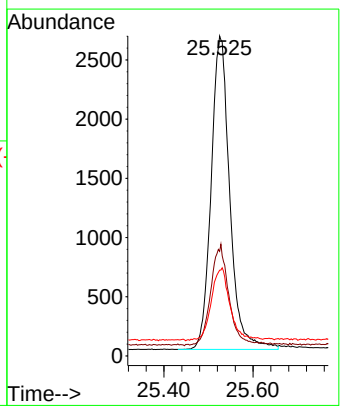


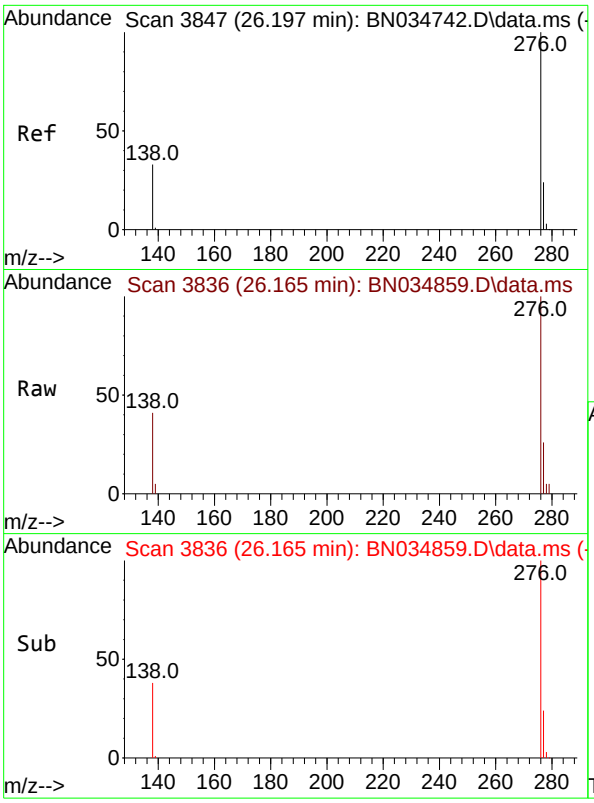


#40
Dibenzo(a,h)anthracene
Concen: 0.537 ng
RT: 25.525 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Tgt Ion:278 Resp: 7688

Ion	Ratio	Lower	Upper
278	100		
139	32.7	24.9	37.3
279	26.8	21.0	31.4





#41
Benzo(g,h,i)perylene
Concen: 0.536 ng
RT: 26.165 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN034859.D
Acq: 05 Nov 2024 02:57

Instrument :
BNA_N
ClientSampleId :
PB164594BS

Tgt Ion:276 Resp: 8287

Ion	Ratio	Lower	Upper
276	100		
277	26.0	20.2	30.2
138	41.0	28.7	43.1